ANL ITAPS project

Goals

The ITAPS center is a collaboration between several universities and DOE laboratories, and is funded by the DOE SciDAC program. The primary objective of ITAPS is to develop technologies that enable application scientists to easily use multiple mesh and discretization strategies within a single simulation on petascale computers. This is accomplished through the development of common functional interfaces to geometry, mesh, and other simulation data. This web site describes ANL?s implementation of these interfaces.

Interfaces:

ITAPS is developing interface specifications for geometry (TSTTG), mesh (TSTTM), and relations (TSTTR), which are used to access various data used in petascale applications.

Implementations & Downloads:

TSTTANL is ANL's implementation of the TSTT interfaces. TSTTG and TSTTM are implemented on previously-released CGM and MOAB packages, respectively. TSTTR is implemented in the newer LASSO component. Installation instructions and user information are here; TSTTANL can be downloaded from these pages.

Services & Applications:

TSTTANL and the components it relies on have been used to implement various services and applications, including Mesquite, DDRIV, MBZoltan, Camel, and partGeom.

For more information on Sandia's ITAPS work, contact Tim Tautges, tautges _at_ mcs.anl.gov.

For the original Trac instructions, see TracInstructions.